

ANABAENA GIGANTEA. *Sp. Nov.*

A. thallo nullo, trichomatibus singulis et numero-associatis, nantibus, rectis, in aetate juveni spiraliter convolutis; articulis plerumque subglobois, arcte connexis, granulosis; cellulis perdurantibus interjectis, articulis vegetativis subaequalibus utroque polo punctiforme incrassatis, subsphaericis; sporis subsphaericis.

Thallus wanting; filaments occurring floating singly on water or in great numbers, straight, but in the young state often spirally convoluted; articles mostly subglobose, closely connected, granular, heterocysts subspherical, interstitial, a very little larger than the vegetative cells, thickened at each end in a punctiform manner; spore subspherical.

Diam. Artic. vegetat. max  $\frac{11}{24000}$  = ——— Heterocysts  $\frac{1}{2000}$  = .0005.  
Spor. at.  $\frac{11}{12000}$  = ——— Long.  $\frac{1}{1000}$  = .001.

*Remarks.*—With the above anabaena was a Caelosphaerium, which appears to be the *C. dubium* Grun. In no instance, however, was the frond of nearly so great size as the European form is said to attain to.

I have also recently identified the following plants, new to this continent.

## GEN. CLADOPHORA.

C. BRACHYTELECHA. *Rabenk.*

Hab. In aquis prope Philadelphia.

C. FRACTA. *Dillw.*

Hab. In flumine Schuylkill.

*Stated Meeting, July 16, 1869.*

Present, eight members.

Mr. FRALEY, Vice-President, in the Chair.

A letter accepting membership was received from John Phillips, dated Oxford, England, June 12, 1869.

A photograph for the Album was received from J. H. C. Coffin, of the National Observatory, Washington, D. C.

Letters of invoice and acknowledgment were received from the Royal Library at Munich, the Royal Academies at Pesth and Brussels, and from Mr. S. A. Green, Librarian of the Massachusetts Historical Society.

A letter was received from Gen. Humphreys, in reply to

the communication of the Secretaries respecting the publication of geological surveys in the West.

Donations for the Library were received from the Royal Societies and Academies of Tasmania, Hungary, Prussia, Bavaria and Belgium, the Societies at Moscow, Görlitz, Bremen, Penzance and Liverpool, the Observatories at Munich, Brussels, Washington and Cincinnati, the Geological Societies at Berlin and London, the Geographical Societies at Paris and London, M. Barrande, M. Zantedeschi, the Astronomical and Meteorological Societies at London, the Boston Public Library, Massachusetts Historical Society, Peabody Museum and Harvard College, the Franklin Institute, the Peabody Institute, the Bureau of Refugees and War Office at Washington, and the Wisconsin Historical Society. A large number of Educational volumes and pamphlets were received in exchange from the Massachusetts Historical Society.

The report of the Committee on Dr. Horn's paper was read and accepted, and the paper referred to the Publication Committee, with instructions to publish in the Transactions.

The death of Dr. C. D. Meigs, at his residence in Media, Pa., June 28, in the 78th year of his age, was announced by Dr. Rushenberger, and on motion the President of the Society was requested to nominate a member to prepare an obituary notice of the deceased.

Prof. Cope exhibited drawings of the fossil remains of a large Cretaceous Mosasauroid. He offered also for the acceptance of the Society six 8vo lithographic plates already prepared on stone to illustrate two papers of fossils found in Virginian caves. On motion the plates were accepted, and the Secretaries directed to have the requisite number of impressions taken to illustrate the two papers, for the next number of the Proceedings.

On motion the balloting for nominations 626—637 was postponed until October, on account of the small number of members present.

Pending nominations 638, 639, 640 were read, and the Society was adjourned.